

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : 10/528,143  
 Confirmation No. : 2892  
 Applicant : Eugenio F. Da Silva Neto  
 Filed : 17 Mar. 2005  
 Title : Method for Data Exchange Between Field Devices  
 TC/A.U. :  
 Examiner :  
 Docket No. : DASI3003/FJD  
 Customer No. : 23364

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

**Introductory Comments**

Please amend this application before examination on the merits in accordance with the following particulars.

Prior to calculation of the filing fee and examination of the application, please amend the claims as shown in the following LIST OF CURRENT CLAIMS, which indicates the status of all the claims in the application and all amendments to the claims. Any cancellation of claims is made without prejudice or disclaimer. Applicant reserves all rights to the original disclosed and claimed subject matter.

**Amendments to the Specification** appear on page of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 4 of this paper.

**Amendments to the Abstract** begin on page 6 of this paper.

**Amendments to the Specification:**

On page 1, prior to the first paragraph which begins on line 2, please insert the following:

FIELD OF THE INVENTION

Please replace the paragraph which begins on page 1, line 2 and ends on line 3, with the following rewritten paragraph:

The invention relates to a method for data exchange between field devices[[,]] as defined in the preamble of claim 1.

On page 1, prior to the second paragraph which begins on line 4, please insert the following:

BACKGROUND OF THE INVENTION

Please replace the paragraph which begins on page 1, line 11 and ends on line 13, with the following rewritten paragraph:

Serving ~~for influencing~~ to influence process variables are the so-called actuators, which, e.g. such as valves, which influence the flow rate of a liquid in a section of pipeline.

Please replace the paragraph which begins on page 1, line 24 and ends on line 26, with the following rewritten paragraph:

US Patent 5,793,963 discloses a method for data exchange between a control unit and a field device. The method includes transmission of data both via the fieldbus and via radio waves.

On page 2, prior to the paragraph which begins on line 1, please insert the following:

SUMMARY OF THE INVENTION

Please replace two paragraphs which appear on page 2, beginning at line 5 and ending on line 8 with the following rewritten paragraph:

This object is achieved by ~~the method defined in claim 1~~ providing ~~An essential idea of the method is to provide,~~ besides the data exchange via the data bus, a radio connection between the field devices for radio wave transmission.

Please delete the paragraph which appears on page 2, lines 11 and 12 in their entirety.

On page 2, prior to the paragraph which begins on line 21, please insert the following:

BRIEF DESCRIPTION OF THE DRAWINGS

On page 3, prior to the paragraph which begins on line 1, please insert the following:

DESCRIPTION OF THE PREFERRED EMBODIMENT

Please replace the paragraph which begins on page 3, line 10 and ends on line 17, with the following rewritten paragraph:

The fill level measuring device S1 is connected via a fieldbus FB with a process control system PCS, which serves as a central control unit. The fill level measuring device S1 and the process control system PCS can communicate with one another via the fieldbus FB using known standards. As a rule, the current measured values of the fill level measuring device S1 are transmitted to the process control system and evaluated there and the appropriate actuators activated.